**Year 7 Science – Solids, Liquids and Gases Glossary**

Using your textbook, workbook, homework book and what you have learnt so far in this topic, create a glossary for the following terms related to solids, liquids and gases. Some words we have not learnt yet. You should keep this sheet handy and fill it in as we finish the topic.

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| **Word** | **Definition** | **Picture to help me remember** |
| The Particle Model |  |  |
| Matter |  |  |
| Solids |  |  |
| Liquids |  |  |
| Gases |  |  |
| Phase or state |  |  |
| Melting |  |  |
| Solidification or freezing |  |  |
| Boiling or evaporation |  |  |
| Condensation |  |  |
| Sublimation |  |  |
| Expansion |  |  |
| Contraction |  |  |
| Density (not yet covered) |  |  |
| Mass (not yet covered) |  |  |
| Volume (not yet covered) |  |  |

**Possible Answers**

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| **Word** | **Definition** | **Picture to help me remember** |
| *The Particle Model* | A model that shows that all matter is made up of tiny moving particles. It helps scientists to understand how substances can change from one state of matter to another. |  |
| *Matter* | The building blocks of solids, liquids and gases. Matter has mass and takes up space. |  |
| *Solids* | Solids are substances that have very strong bonds between their particles. These particles can vibrate a little. |  |
| *Liquids* | Liquids are substances that have weak bonds between their particles. These particles vibrate and move more than the particles in a solid. |  |
| *Gases* | Gases are substances that have no bonds between their particles. The particles are free to move. |  |
| *Phase or state* | A state of matter is a different form of matter. Matter has 3 states – solids, liquids and gases. |  |
| *Melting* | The process of a solid turning into a liquid. This occurs when a solid is heated to its melting point and the bonds between the particles loosen. |  |
| *Solidification or freezing* | The process of a liquid turning into a solid. This occurs when a liquid is cooled and the bonds between the particles become stronger. |  |
| *Boiling or evaporation* | The process of a liquid turning into a gas. This occurs when a liquid is heated to its boiling point and the bonds between the particles break. |  |
| *Condensation* | The process of a gas turning into a liquid. This occurs when a gas is cooled and bonds form between the particles. |  |
| *Sublimation* | The process of a solid turning into a gas without experiencing a liquid phase. |  |
| *Expansion* | When a substance is heated and the particles vibrate faster and move further apart, making the substance bigger (it now takes up more space) |  |
| *Contraction* | When a substance is cooled and the particles vibrate more slowly and move closer together, making the substance smaller (it now takes up less space) |  |